1

App. F. IX-4

194
(Fresh)

File No. 105-43
Serial Nos. 3, 4 ~~to~~

Previous References.
Ft 28-39-142.
Ft 28-39-516

Later References.

GENERAL AND REVENUE SECRETARIAT

Serial Nos. 3
P.28/E

Part B for July 44

SUBJECT

Proposals for the reconstituting of the Advisory Board for the Jt Research Laboratory Board

Sl 6) Do
The Commissioner of Fis
" Comptr
+ Other Members of the Bd
No AF 3100-10 of 6-1-44
Sanctions the —

Dec
10/9

1183

GEN & PF
17 SEP. 1943
GEN. & FOREST BRANCH

How long is it since a meeting was held of the Bd of Management or Advisory Bd of the Forest Research Laboratory?

Who are the members?

I wd like to see reports of the work done by the Laby. since its inception.

Meanwhile the CCF may be requested to have

a meeting convened at once

yesr Bd/.. - & proceedings of

the meeting sent home

17/9/43

Gen.
~~Dept~~ Secy

H Br XX

Bring up

17/9

17.9.43

OFFICE OF THE MINISTER
FOR INDUSTRIES & SUPPLIES
SEP 17 1943
No. 346

Please make a reference to CCI immediately 20/9

Files relating to the Constitution of the Advisory Board & the nomination of the Members to the same are put up. The no. of members are 7. Of the Members nominated in 1939, Mr. Machaiya is now dead, and Dr. Sampath Kumaran is retired from Service and Dr. Manjunath has gone out of the State. The CCF has not intimated the action taken to fill up the vacancies. Advt to CCF asking him to convene a meeting etc is being issued

20/9/43

Issue today

Issued: No. A7-1423 21.9.43

TYPING SEC 21 SEP 1943 GE

OFFICE OF THE MINISTER FOR INDUSTRIES AND SUPPLIES

5

9/11/43

9.11.43.

REC'D 10 NOV. 1943

8822

1) How many meetings have been held of the Forest Research Lab Advisory Committee?

When was the last meeting held?

Gen Secy

5/11/43

Action should have been taken by the office to resubmit the file after issue on 22.9.43 for being sent to the minister and to issue weekly reminders to obtain the report as the information was called for by the Minister. Such state of affairs is very unsatisfactory.

Jms
11/11/43

The case of [illegible] was asked to finish this information and [illegible] 43 has not yet replied. [illegible] to the CC & has promised the Under Secy on phone that he would send the report [illegible]

10/11/43

For information

GUSecy) 3/Through on 22.9.43

Jms
11/11/43

11/11
2.00 pm.

C C. I was asked to send up

a report as to when the last meeting of the Advisory Board was held and also to convene a meeting of the up the proceedings for the ~~[illegible]~~ of Govt, he ~~[illegible]~~ report to his ~~[illegible]~~ body ~~[illegible]~~ information ~~[illegible]~~ Assistant replied that the report is required for the signature ~~[illegible]~~ but it will be sent today. It has not been received up till now.

(Minister I & S)

11/11

OFFICE OF THE MINISTER FOR INDUSTRIES & SUPPLIES
NOV 1943
No. 2468

Received from the Dev. Secy to the person
18/11/43

15/11

Re Constitution of the Advisory Board — Great Research Laboratory

Continuation Sheet. File No. / Current No. 105 of 43 Page.

17 DEC. 1943

Forwd the C.C.J. No. M.D.2-L-18/39 dt 29.11.43 2252 submitting proposals for the Re Constitution of the Advisory Board of the Great Research Laboratory.

The previous Board consisted of 7 Members excluding the Secretary. In the present list excluding the two joint Secretaries there are only 6 Members. The name of the Dr of Agri contained who was on the previous Committee is left out. Whether this name may be included is for consideration. Submd for orders.

OFFICE OF THE MINISTER FOR INDUSTRIES & SUPPLIES
DEC 6 1943
No. 3069

(Gt Secy) 2/12/43

Minister (I.&S.) 3/12

May be sub to the Dewan 7/12/43

Dewan) 9/12

11/11

4/12/43 13/12

Not to sub The name of the Dr of Agri is also included as above

14/12/43 (Gt Secy)

15 The meetings will generally be held half yearly as recommended by the C.C.J. who accepts the opinion of Sir JC Bose. This is incorporated in the DH for arne

17.12.43 (Gt Secy) 16/12

GENERAL SECRETARY
18 DEC. 1943
3861

3) G.O. No. A.F. 3100-10 Ft 105-43-3 d 6-1-44

To: The C.C.F.

The Comptroller to Govt

The other members of the Board.

Sanction the Reconstitution of the Advisory Board of the Forest Research Laboratory, Bangalore with a personnel specified in the order.

The period during which the Board so constituted functions has not been specified in the G.O. Even at the time of the first constitution, no period was fixed. For orders whether the period of the present reconstituted Board may be fixed at three years.

GE Secy) I think two years would be the proper period.

13/1/44 Jms

Minister I & S) 13/1 Jms

Three years may be fixed.

20/1 24/1

Draft G.O. submd

31/1

Issue

Jms 21/2/44

G.O. No. A.F. 3741-2 Ft 105-43-4 d 4-2-44

To:- The C.C.F.

The Comptroller to Govt

orders that the Advisory Board of the F.R. Laboratory functions for three years from 1-1-1944.

GENERAL SECRETARY 15 JAN 1944

OFFICE OF THE MINISTER FOR INDUSTRIES & SUPPLIES JAN 15 1944 No. 3869

10

1891

MYSORE FOREST DEPARTMENT.

No. M. D2-1-18/39.
Encl. one

OFFICE OF THE CHIEF CONSERVATOR OF FORESTS IN MYSORE,

Bangalore, dated 11 October 1943

FROM

C. ABDUL JABBAR, ESQ., B.A.,
Chief Conservator of Forests in Mysore,
Bangalore.

TO SE

Safi Darashah, Esq., B.A.,
Secretary to Government of H.H.
the Maharaja of Mysore,
General Department, Bangalore.

12 NOV. 1943

Sir,

RE:- Advisory Board of the Forest Research Laboratory, Bangalore.

With refeence to your letter No. AF. 1423. dated 22-9-1943 - on the above subject, I have the honour to state that the Advisory Board held its last meeting on 31-5-1941. Since then, although several attempts were made on this behalf, it was not possible to convene a meeting of the Board under the following circumstances.

2. Ever since the Board was constituted in 1939, its working has presented many difficulties in actual practice. For one thing, it has been nearly impossible to secure the attendance of all the members at the meetings and, proposed meetings have had to be repeatedly postponed to suit the convenience of the individual members. Indeed, after the inagural meeting, there was not one accassion on which the Board met on the date originally fixed for it. And, it was also unfortunate that latterly other events prejudiced the successful working of the Board. The prolonged illness of Rajasevasakta M. Machaya(and later his sad demise) deprived me of the enthusiastic services of a valued colleague on the committee; Dr. M. A. Sampathkumaran retired from Government Service; Rajasevasakta T. G. Rama Iyer went on long leave preparatory to retirement from service. And at about the same time Dr. B. L. Manjunath, another member of the Board, proceeded to New Delhi on foreign service and thus, of the originally constituted Board, the services of only two members (Dr. K. R. Krishnaswami and Dr. S. Kamesam) with me as Chairman were available.

3. Although I acknowledge the courtesy and co-operation of the individual members of the board, I must confess that the working of the Board as a whole proved disappointing. It was apparant that Forest problems could best be seen in their true perspective by only those who had first hand experience of forest conditions. Otherwise, the emphasis placed on the selection of problems and their solution tends to be academic. In this context, the contacts between the Forest Research Laboratory and Forest Officers have proved to be very fruitful. I therefore encourage all our officers to visit the Laboratory whenever they happen to be in Bangalore. And, at the periodic meetings of our ~~our~~ forest officers, the activities of the Forest Research Laboratory formed one of the major items on the agenda and a very full and frank discussion ensues. Both the Laboratory and the officers have benefited by this practice. And, I am glad to say that quite a few of our retired forest officers have informally visited the Laboratory and given us freely the benefit of their long practical experience. The Forest Research Laboratory is in my immediate charge and enables me to direct its working in relation to our actual needs in the field as experienced by our Divisional Officers. Nor must I omit to express my appreciation and thanks of the very cordial manner in which the authorities of the Indian Institute of Science have helped the Forest Research Laboratory, by allowing our officers free access to the Library and other facilities of the Institute. (Indeed, one of the major considerations in deciding the location of the Forest Research Laboratory was its proximity to the Indian Institute of Science) As a result of all these contacts and facilities, the Forest Research Laboratory has kept abreast of our actual problems and the scientific methods of their solution, and the advisory board has tended to be superflous.

4. I am therefore of opinion that there would be no particular advantage in continuing the Advisory Board of the Forest Research Laboratory. And, if it is desired that more continuous contacts

p.t.o.

in a more formal plane be established between the work of the Forest Research Laboratory and the practical problems in our forests, a small committee of experienced Forest Officers should be formed. Such a committee would have first hand knowledge of Forestry problems and conditions, could be summoned more readily and would form a link between the scientist in the Laboratory and the Forester in the field.

I have the honour to be,
Sir,
Your most obedient servant,

Chi avoue.

Chief Conservator of Forests.

A BRIEF RESUME OF THE WORK DONE BY THE FOREST RESEARCH LABORATORY SINCE ITS INCEPTION (OCTOBER 1938) TO JULY 1943.

The summary of work given in the following paragraphs cover an effective period of about four years commencing from the time when the Laboratory was completely equipped viz., 1939.

An authentic collection of Mysore Timbers has been made. These have been microsectioned, stained, mounted, photographed and permanently preserved to form an authoratative index for purposes of comparison etc. Eighty species are so far completed.

The physical properties of these timbers have been evaluated. Specific gravity, moisture content, and strength values have been determined.

Amplifying the data recorded under (2) and (3), a Handbook of Mysore Timbers has been compiled and is ready for publication. At the same time, advertisement folders of Mysore timbers on a more popular basis (but with strictly acurate data) were prepared with actual specimens of timber and widely distributed in trade circles both in and out of India.

A small wood workshop has been fitted up starting from spare or condemned units from the Government Saw Mills, Shimoga, and elsewhere and has since been developed with more modern machines. This workshop was made use of to fit up our Museum, to prepare exhibits for the Mysore Dasara Exhibition and Specimens required for the Laboratory work. ~~This~~ Till about two years ago, the Laboratory was supplying furniture to institutions and, on a much smaller scale, to private orders. This helped to school our workmen and ~~to~~ to attract attention to the decorative posibilities of the lesser known Mysore timbers and to the laminated-core method of construction wich has since been widely adopted by others. Amongst the more important work carried out by the

the Forest Research Laboratory under this head may be mentioned, the supply of 300 dining Boards to the Mysore Palace, the fitting up of a lecture room of the Malleswaram High School, the fitting up of the Bar Library of the Mysore High Court, the District Forest Offices, Mandya, the Rural Development Centre, Doddaballapur, the Fermentation Technology Laboratory of the Indian Institute of Science, part of the furniture for the waiting rooms on Mysore Railways and a number of other orders. Useful and pretty beehives to the specifications of the Agricultural Department were also made and sold. The purely scientific value of this work to the Laboratory has been a thorough study of the neglected finishing posibilities of Mysore Timbers, polishes, varnishes and other finishing materials and the development and use of suitable glues.

The accurate seasoning of wood to a specified moisture content is a matter of some difficulty. After a great amount of preliminary trials, an electric timber seasoning kiln was contrusted at the Laboratory capable of taking a load of 50 Cft. at a time. This apparatus helped to study the seasoning and degrade properties of Mysore Timbers as also the experiments on the manufacture of bobbins and shuttles dealt with in the succeeding paragraphs.

The war time cessation of imports of bobbins and shuttles and similar wood requirements of the Textile industry made the local manufacture of these small but indispensable accessories of very great importance. The Board of Industrial Planing and Co-ordination set up a Sub-Committee to investigate the local possibilities with the Chief Conservator of Forests as the Chairman. The two Chief problems involved were the choice of suitable indigenous species and its seasoning to the correct moisture contents. The work of the Forest Research Laboratory and the use of the Electric seasoning kiln greatly helped the solution of these problems and successful trials with the products made

made at the Laboratory were run at the Mysore Spun Silk Mills and elsewhere. The data collected were made fully available to local firms as a result of which about half a dozen concerns have taken up the manufacture at these textile accessories from out of Mysore Timbers.

The Forest Research Laboratory worked on the suitability of Mysore timbers for tool handles. This involved a study of the weight, strength, toughness and finish of the timbers. Large numbers of these tool handles have since been supplied to the Defence Services.

Between 1938-1941, the Laboratory conducted some intensive work on the diseases of Sandal. Sandal Mosaic disease was definitely controlled by dosing with Zinc Sulphate. An elaborate set of experiments on Sandal spike including injection with chemicals, manuring, physiological studies, serological studies, and inter-grafting experiments while yielding results of scientific interest, were unsuccessful so far as the curing and prevention of the disease is concerned. At present, the Laboratory confines itself to watching for the onset of the disease in hitherto free areas and to determining by the most scientific methods whether suspectd cases of spike are in fact so or not. This is of great practical importance in immediately taking up anti-spike measures.

An examination of the routine processes of the Wood Preservation Plant, Bhadravati, has been periodically made. The variations in the concentration of the tank liquors with succeeding charges indicated the best methods of making the most efficient and complete utilisation of the chemicals. Treated timber samples have been examined for leaching and depth of penetration; the purity of the chemicals assayed; and the tank sludge examined and a simple method of its utilisation outlined. The Laboratory has also carried out a survey on the field of treated electric poles and Railway sleepers and suggested methods

methods for increasing their life.

An examination of the more important tanning materials of the Mysore Forests has been made. Incidentally this has helped to select high yielding strains of Myrobalans for regeneration. The period of optimum yield in Cassia auriculta was also determined.

Numerous samples of Cinchona barks from all over the State have been examined for their alkaloidal contents. In particular, every one of the promising Cinchona trees in the Kemmangundi Plantation has been individually stripped for bark and analysed on the basis of which collection of seeds for the Nurseries has been made.

Soil samples from Forests and Plantations have been studied and specifically for the following purposes:- suitability for nurseries, suitability for particular species like Casuarina, Cinchona, Derris etc.,; and a general study of the effect of burning slash on forest soils.

The Laboratory started with less than a quarter of an acre as its nursery - the area being an abandened ash-pit. But, in 1940 however , an area of approximately 20 acres belonging to the Indian Institute of Science was handed over to the Forest Research Laboratory for its experimental plantation. This patch had been grossly overgrazed, denuded of all vegetation by hacking and by indiscriminate cutting and was so badly eroded in places as to form gullies 40 to 50 feet in depth, the washed off soil seriously silting up the Sankey's tank into which the whole area drained, and privided an opportunity of using forestry methods to arrest and reclaim an eroded parcel of land. Systamatic work starting with the soil binding Sisal was started in June 1940 and after three years the area at present can scarcely be recognised as its former self. Erosion has been arrested; there is a luxuriant undergrowth. And the

And the area has been stocked with nearly 26,000 plants. This plantation has enabled experiments to be carried out on well-known species like Casuarina, Eucalyptus etc., to study the behaviour of exotics like Paper mulberry, exotic Tupras, Australian Sandal etc., and as a seed Nursery for Pyrethrum and derris (to be dealt with separately in a succeeding paragraph). The growth of the fuel species is so luxuriant that its money value in the next few years is likely to more than cover the entire outlay on this plantation. Attempts are also being made to introduce authentic species of reputed drug value.

The Forest Research Laboratory has successfully raised Pyrethrum. Many initial setbacks and disappointments were experienced in this work which was begun in 1937 with imported seed. It was commonly believed that Pyrethrum did not flower below an altitude of 6,000 Ft. The species did flower at Bangalore although the quantity and quality of the flowers were poor. By systematic analysis, selection and regeneration, each succeeding generation was improvised on the preceding one till to-day, six years after the experiment was begun, nearly 90% of our plants flower, giving blooms with a high percentage of pyrethrins. Nearly five acres at the Forest Research Laboratory Plantation has been planted with pedigree stock and seeds and planting material have been distributed all over the State to determine suitable sites. The sylviculture of the plant, the harvesting and storing of the flowers, their potency by both chemical and biological methods and the extraction of the flowes with various solvents, both cold and hot, have been studies. Some 40 lbs. of seeds have been collected in the current season, sufficient to stock about 80 to 100 acres.

Amongst the other insecticides which have been investigated at the Forest Research Laboratory, Derris is the most important. A high Rotenone yielding strain has been propagated; derris

derris is easy to raise, forms a good hedge, its leaf ash has a manurial value and most important, its roots yield rotenone for which there is an extensive application in agricultural and veterinary practice against ticks etc. The optimum yield of the Rotenone with the age of the plant has been determined and cuttings on a large scale are being raised in the nursery for distribution.

Mention may also be made of the assay of other indigenous materials of insecticidal value such as Tephrosia candida, Anona squamosa etc.

The most important commercial exploitation hitherto undertaken by the Forest Research Laboratory has been the manufacture of battery separators. Very elaborate laboratory experiments over a period of three years preceded before any selection of wood and process was made. After the laboratory tests were over, actual service tests under exaggerated conditions of wear and vibration were conducted and it was only after these stringent tests were satisfactorily completed that the article was offered to the Trade. These separators met with ready and even enthusiastic response and the demand very greatly outstripped supply. To translate the experiments of the Laboratory to the large scale operationson a commercial basis, a pilot plant was put in operation in October 1942. These separators have been tested and approved by the leading Indian, European and American firms all over the country. The R.A.F. have also under examination, in England, the Forest Research Laboratory separators. The Hindustan Aircraft, some of the leading Indian Railways and the Indian Institute of Science have bought these separators after extensive trials which gave them satisfaction. During the period July-October 1943, nearly 3,00,000 separators have been manufactured and the orders on hand exceed 6 lakhs of separators. The question of expanding

expanding production and its rational marketting is now under the consideration of Government. This activity of the Forest Research Laboratory has not only met a vital war need of the country, but has also enabled the profitable utilisation of some of the "condemned" Mysore junglewoods.

The Laboratory has been running elaborate graveyard tests on the efficacy of several wood preservatives and the different methods of application. Attempts are also being made to evolve new types of wood preservatives although it is premature to claim definite results. This necessarily takes a long time.

The Laboratory has attended to hundreds of queries for information and data from private individuals, commercial firms and scientific institutions and latterly, a large number from the Defence Services. For some of these, fees have been charged as e.g. for testing aircraft timbers for fungal infection, for determining the depth of penetration of preservatives in electric transmission poles, for glue-strength tests etc., Many more have been answered free of cost in the interests of the wider utilisation of Mysore Forest products. The queries have ranged over a very wide field of subjects including both timber and minor forest products.

A number of other items of work have engaged the Forest Mycologist and the Forest Chemist. They lectured to the Mysore Forest Ranger School during the Head Quarter terms. They edit the departmental Journal. Till last year, they were also responsible for Forest Court at the Mysore Dasara Exhibition. They have reorganised the display of the Forest Exhibits at the Government Museum, Bangalore. They were on deputation for a period of two months in 1937 at the Forest Research Laboratory, Dehra Dun and the Forest Chemist was deputed also to Bombay in 1938 to study the Plywood market on which he submitted an -

an exhaustive report. He also served as Technical Assistant to the Chief Conservator of Forests in Mysore, Bangalore, for about five months in 1941, and on the Drugs and essential oils Committee of the Board of Industrial Research. The Forest Research Laboratory on its scientific side has maintained close relationship with the other scientific and professional institutions exchanging information and samples, while the commercial side of its activities has enabled it to serve as a clearing house for all information required by consumers and potential consumers of Mysore Forest products.

B. P. Ramakrishna
for Chief Conservator of Forests.

Ft 105-43-5

2252
A7 -

MYSORE FOREST DEPARTMENT.

No. M.D2-1-18/39
Encl.

OFFICE OF THE CHIEF CONSERVATOR OF FORESTS
IN MYSORE.

Bangalore, dated 29 Novr. 1943.

FROM

The Chief Conservator of Forests
in Mysore, Bangalore.

30 NOV. 1943

To

R.P.MALLAPPA, Esq., B.A., LL.B.,
General Secretary to the Government
of H.H. the Maharaja of Mysore, Bangalore.

GENERAL SECRETARY
30 NOV. 1943

Sir,

Reconstitution of the Advisory Board of the
Forest Research Laboratory.

In continuation of my letter No.M/D. 2-1-18/39 dated the 11th instant on the above subject and with reference to Item No.3 in the Memo of instructions of the Minister for Industries and Supplies sent with my letter No.M.Gl.8676/43 dated 16th instant, I have the honour to state that the Advisory Board of the Forest Research Laboratory constituted as per Government Orders No.AF. 378-85/Ft. 28-39-2 dated the 12th August 1939 and No.AF. 7032-40/Ft. 28-39-6 dated 24-6-1940 is proposed to be reconstituted with the following members, for reasons stated in para 2 of my letter dated the 11th instant.

(i) The Chief Conservator of Forests in Mysore (Chairman).

(ii) The Director of Industries and Commerce in Mysore.

(iii) Sir J. C. Ghosh Kt. D.Sc., F.N.S., Director, Indian Institute of Science, Bangalore.

(iv) B. V. Ramaiengar, Esq., B.A., Retired Chief Conservator of Forests, Bangalore.

(v) Dr. M.A. Sampathkumaran, M.A., Ph.D., S.M., Retired Professor of Botany Bangalore.

(vi) Dr. S. Kamesam, B.E., D.Sc., Bangalore.

(vii) The Forest Mycologist, Forest Research Laboratory, Bangalore (Secretary.)

(viii) The Forest Chemist, Forest Research Laboratory, Bangalore. (Joint Secretary).

Of the four non-official members Dr. Kamesam is already on the old Board. Mr. B.V. Ramaiengar, Retired Chief Conservator of Forests and Dr. M. A. Sampathkumran Retired Professor of Botany have agreed to

to serve on the reconstituted Board. Sir, J.C.Ghosh has also been kind enough to accept membership of the Committee but desires that the Board should not ordinarly meet morethan twice a year. Six months being, in his opinion, the minimum interval in which progress in scientific investigation could be reviewed and suggestions preferred by the Board.

I request that the personnel of the reconstituted Board may be kindly notified accepting the opinion of Sir J. C. Ghosh in regard to the ~~member~~ number of meetings to be held in an year. Soon after orders are received action will be taken to hold the first meeting of the Board in the middle of January next.

I have the honour to be,
Sir,
Your most obedient servant,

Chief Conservator of Forests.

Appendix F. G.—1]

SUBJECT Advisory Board ~~for~~ the Forest Research Laboratory Bangalore.

Section

File No.

Serial No.

Diary No. of letter replied to.....

No. A.F. 1423

To

General and Revenue Secretariat

( )

the *194* .

The C.C.F.

Date of issue 22nd Sept 43

Signed by [illegible]

Sir,

I am directed to ~~request you to intimate~~ enquire when the meeting of the Advisory Board of the Forest Research Laboratory was last held. I am to request you ~~and~~ to ~~call for~~ arrange a meeting of the Board at once and to send the proceedings of the meeting for the information of Govt.

I am also to request you to submit reports of the work done by the Laboratory since its inception for the

List of enclosures.....

nil

Copied by.....

Examined by.....

GEN. & REV. SECTT. 29 NOV. 1943 AGRI. & FORESTS BRANCH

information of Govt.
I have etc

Illegible
21.9.43

for gen Secy to Govt.

No.
209

G. R. S. App. F VI—G. 2]

SUBJECT.....

Diary No. of letter replied to 2252

Section F&—
File No. FT 105-43
Serial No. 3.

General and Revenue Secretariat

( )
the 19 .

Proceedings of the Government of His Highness the Maharaja of Mysore.

Date of issue 6/1/1944

Signed by G. H. M. S.

Read—

G.O. no. AF 378-385, FT 28-39-2 dated 12th Aug 1939 directing the Constitution of an Advisory Board for the Forest Research Laboratory, Bangalore.

2 Correspondence ending with letter no. W2-1-18/39 of 29.11.43 from the C.C.F. submitting proposals for the reconstitution of the Advisory Board referred to above.

P.T.O.

May this be—

(i) printed?

(ii) treated as a standing order?

(iii) published in the Gazette, English Part?

(iv) translated?

(v) placed at the disposal of the Press?

(vi) published in the Gazette, Kannada Part?

order A.F. 3100-10D 6/4/44.

Govt are pleased to sanction the constitution of the Advisory Board of the Forest Research Laboratory Bangalore with the following gentlemen as members:-

(i) The CCF in my Svc (chairman)
(ii) The Dr of Ltc in my Svc.
(iii) The Dr of Agri in my Svc
(iv) Sir Jc. Ghosh Kt. DSc. F.N.S. Dr Indian Institute of Science, Bangalore
(v) Dr. Ramiengar Esqr BA Retd CCF, Bangalore
(vi) Dr M.A. Sampath Kumaran, M.A., Ph.D., S.M. Retd Professor of Botany, Bangalore
(vii) Dr S. Kamesam, B.A., DSc, Bangalore
(viii) The Forest Mycologist, Pt Research Laboratory, Bangalore (Secretary)
(IX) The Forest Chemist, Pt Research Laboratory, Bangalore (Joint Secy)

The Board will generally meet every half year, or more often if necessary.

~~for~~ (in Secy to Govt.) 16/12 Forests

The CCF in my Svc
The Comptroller.
The Mess Members of the Board.

List of Enclosures

Copied by
Examined by

16/12/43

27 Sept

PROCEEDINGS OF THE GOVERNMENT OF HIS HIGHNESS THE MAHARAJA OF MYSORE.

READ:-

Government Order No. A.F.378-~~[illegible]~~ 39-2 dated 12th August 1939 directing the constitution of an Advisory Board for the Forest Research Laboratory, Bangalore.

2. Correspondence ending with letter No.M.RS-1-16/39 dated 29-11-1943 from the Chief Conservator of Forests submitting proposals for the reconstitution of the Advisory Board referred to above.

ORDER NO. A.F. 3100-10/2c-105-43-L3

BANGALORE DATED THE 6th ~~December 1943~~ Jan 1944.

Government are pleased to sanction the reconstitution of the Advisory Board of the Forest Research Laboratory, Bangalore with the following gentlemen as members:-

(i) The Chief Conservator of Forests in Mysore (Chairman)
(ii) The Director of Industries and Commerce in Mysore
(iii) The Director of Agriculture in Mysore
(iv) Sir J.C. Ghosh, Kt., D.Sc., F.N.S., Director, Indian Institute of Science, Bangalore
(v) B.V. Ramiengar, Esq., B.A., Retired Chief Conservator of Forests, Bangalore
(vi) Dr.M.A. Sampathkumaran, M.A., Ph.D., S.M., Retired Professor of Botany, Bangalore
(vii) Dr.S. Kameswar, B.A., D.Sc., Bangalore
(viii) The Forest Mycologist, Forest Research Laboratory, Bangalore (Secretary)
(ix) The Forest Chemist, Forest Research Laboratory, Bangalore (Joint Secretary)

The Board will generally meet every half year, or more often, if necessary.

H M Sreenivasaiya
28/12/43

for Secretary to Government,
General Department

To

The Chief Conservator of Forests in Mysore,

The Comptroller to Government

The other members of the Board

TKD/12

Government of His Highness the Maharaja of Mysore.

GENERAL AND REVENUE DEPARTMENTS

G.O. No. A.F. 3100-10/Ft. 105-43-6 Dated, Bangalore, 6th January 1944.

Advisory Board of the Forest Research Laboratory

Sanctions the reconstitution of the——

Read:-

Government Order No.A.F. 378-385/Ft.28-39-2 dated 12th August 1939 directing the constitution of an Advisory Board for the Forest Research Laboratory, Bangalore.

Correspondence ending with letter No.M.D.2-1-18/39 dated 29th November 1943 from the Chief Conservator of Forests submitting proposals for the reconstitution of the Advisory Board referred to above.

ORDER NO. A.F.3100-10/FT. 105-43-6 DATED 6TH JANUARY 1944.

Government are pleased to sanction the reconstitution of the Advisory Board of the Forest Research Laboratory, Bangalore with the following gentlemen as members:-

1. The Conservator of Forests in Mysore (Chairman)
2. The Director of Industries & Commerce in Mysore.
3. The Director of Agriculture in Mysore.
4. Sir J.C. Ghosh, Kt., D.Sc., F.R.S., Director, Indian Institute of Science, Bangalore.
5. B.V. Ramiengar, Esq., B.A., Retired Chief Conservator of Forest, Bangalore.
6. Dr. M.A. Sampathkumaran, M.A., Ph.D., S.N., Retired Professor of Botony, Bangalore.
7. Dr. S.Kamesan, B.A., D.Sc., Bangalore.
8. The Forest Mycologist, Forest Research Laboratory, Bangalore (Secretary)
9. The Forest Chemist, Forest Research Laboratory, Bangalore (Joint Secretary)

The Board will generally meet every half year, or more often, if necessary.

R.P. MALLAPPA,
General Secretary to Government.

To
The Chief Conservator of Forests in Mysore.
The Comptroller to Government.
The Other Members of the Board

G. R. S. App. F VI—G 2]

SUBJECT .....

.....

.....

Diary No. of letter replied to.....

General and Revenue Secretariat

( )

the 193 .

Date of issue 4/2/ 1944

Signed by M. H. M. S.

May this be—

(i) printed ?

(ii) treated as a standing order ?

(iii) published in the Gazette, English Part ?

(iv) translated ?

(v) placed at the disposal of the press ?

(vi) published in the Gazette, Kannada Part ?

Section. Forest

File No. FL 105-43

Serial No. 4

Proceedings of the Government of His Highness the ***Maharaja*** *of Mysore.*

Read— G.O. No. AF 3100-10/ Ft 105-43 3 of 6th Jan 44 sanctioning the reconstitution of the Advisory Board of the Forest Research Laboratory, Bangalore

Order ~~thereon~~—No. A.F. 37412 /10/4/44

The reconstituted Board will function for a period of three years from 1st Jan 1944.

Jons 2/2/44

For Jt Secy to Govt

The CCF
The Comptroller
[illegible] 31/1/44

List of Enclosure

Copied by MB Clair 3/8

Examined by

WD 0523—GPB—22,500—22-3-37

30

C. F. No. 46]

GOVERNMENT OF MYSORE

No. M/D2.1-18/39.
Encls. One.

OFFICE OF Chief Conservator of Forests in Mysore
Bangalore.

Date ~~February 1944~~ 3929
1-3-1944. A7

To

R.P.Mallappa, Esq., B.A., LL.B.,
Secretary to the Government of
H.H. the Maharaja of Mysore,
General Department, Bangalore.

GENERAL SECRETARIAT
4 MAR. 1944
GENERAL BRANCH

Sir,

GENERAL SECRETARY
3 MAR. 1944

RE:- Meeting of the Advisory Board of Forest Research Laboratory.

Referring to Government Order No.A.F.3100-10/Ft. 105-43-3 dated the 6th January 1944 sanctioning the reconstitution of the Advisory Board of the Forest Research Laboratory, I have the honour to enclose herein for the information of Government a copy of the proceedings of the meeting of the reconstituted Board held on 14th Feb, 1944.

I have the honour to be,
Sir,
Your most obedient servant,

Chief Conservator of Forests.

Submd for perusal in the first instance
G.E.Secy)
Minister I&S)
4/3/44

GENERAL SECRETARIAT
6 MAR. 1944

OFFICE OF THE MINISTER FOR INDUSTRIES & SUPPLIES
MAR 7 1944
No. 5280

Sub with main file

C. F. No. 46]

GOVERNMENT OF MYSORE

30

No. M/02.1-18/39.
Encls. One.

OFFICE OF Chief Conservator of Forests in Bangalore.

Date ~~February 1944~~ 3929 1-3-1944

To

R.P.Mallappa, Esq., B.A., LL.B.,
Secretary to the Government of
H.H. the Maharaja of Mysore,
General Department, Bangalore.

Sir,

GENERAL SECRETARIAT 1 MAR. 1944 MAIN BRANCH

GENERAL SECRETARIAT 3 MAR. 1944

Re:- Meeting of the Advisory Board of Forest Research Laboratory.

Referring to Government Order No. A.F.3100-10/Ft. 105-43-3 dated the 6th January 1944 sanctioning the reconstitution of the Advisory Board of the Forest Research Laboratory, I have the honour to enclose herein for the information of Government a copy of the proceedings of the meeting of the reconstituted Board held on 14th Feb, 1944.

I have the honour to be,
Sir,
Your most obedient servant,

Chief Conservator of Forests.

Submd for perusal in the first instance
G.E.Secy)
Minister)

1413
6 MAR. 1944

4/3/44

6/3

28/3

29/3

OFFICE OF THE MINISTER FOR INDUSTRIES & SUPPLIES
MAR 7 1944
No. 5280

Sub with main file

Minutes of the meeting of the Advisory Board of the Forest Research Laboratory, Bangalore, held on 14-2-1944 at 10 A.M. at the Premises of the Forest Research Laboratory, Bangalore.

Present.

1. C. Abdul Jabbar, Esq., B.A., (Chairman)
2. B.V. Ramaiyangar, Esq., B.A.,
3. Dr. M.A. Sampathkumaran, M.A., Ph.D., S.M.,
4. Mr. J. Narashiman, Esq., B.A.,
5. Dr. S.A. Kabir, M.Sc., D.Sc., (Munich) (Secretary)
6. Dr. M.N. Ramaswamy, M.Sc., D.Sc., (Munich) (Jt. Secretary)

Absent.

1. Sir J.C. Ghosh, Kt., D.Sc., F.N.I.,
2. Dr. S. Kamesam, B.E., D.Sc., M.I.E.,
3. B.G. Appadorai Mudaliar, Esq., B.A., B.Sc., (Tech) Manchester), A.M.I.Mech.E-(Eng).

---

1. The Chairman read a letter from Sir J.C. Ghosh who regretted that, on account of urgent business, he had to leave for Delhi and would thus be unable to attend the meeting. Sir J.C. Ghosh added" I have read with great interest the report of the work that has been done in the laboratory. It is a very good beginning and I am sure that the Laboratory will continue to render excellent service to the State".

The Joint Secretary reported that Dr. S. Kamesam telephoned to say that on account of other urgent work he regretted he would be unable to attend the meeting.

2. The Chairman welcomed the members of the reconstituted Board. He thanked them for kindly agreeing to serve on the Board. He appreciated and valued this assistance and he had no doubt that the Laboratory would greatly benefit by their knowledge and experience.

3. The work done at the Laboratory during the period 1938-1943(a report of which had been sent previously to the members) was reviewed in detail. On a number of points, members asked for and obtained from the Research Officers additional information and explanations. The report was then recorded with the following remarks.

(i) In the cultivation of drugs and particularly in the case of Chirata, one has to be careful about the authenticity of the species to avoid disappointment later. The Director of Agriculture had with him a small quantity of genuine seeds of Swertia Chirata and he agreed to place some of this at the disposal of the Forest Research Laboratory.

(ii) Since there was a divergence of opinion on the identification of the Derris grown at the Forest Research Laboratory plantation, it was necessary to send the specimen to Singapore and have it correctly identified.

(iii) The Forest Research Laboratory might contact, through the Director of Industries and Commerce in Mysore, Local handloom weavers who might be experiencing difficulties with regard to bobbins, shuttles and similar textile requirements.

(iv) The design of the beehives made at the Laboratory requires to be slightly altered. Steps may be taken to get this done in consultation with the entomologist of the Agricultural Department.

(v) The results of the work done at the Laboratory may be published in the form of bulletins. If the publication of these be not immediately practicable on account of paper shortage or other wartime contingencies, these results may be published as articles in the Departmental Journal.

P.t.o.

4.) The Board considered the question of the commercial exploitation of the results of the work done at the Laboratory. After some discussion, it was resolved that excepting in the case of battery separators and pyrethrum (both of which had special and peculiar features of their own), the Forest Research Laboratory should serve primarily as an investigation and demonstration centre leaving commercial development to other agencies.

5) The Board approved of the following programme of work for the six months ending 30-6-1944.

(i) Collection of data for the compilation of the publication on Mysore Timbers.

(ii) Running of the pilot plant for the manufacture of battery separators.

(iii) Large scale cultivation of pyrethrum.

In this connection the Chairman mentioned that one of the Research Officers (Dr. M. N. Ramaswamy) had been placed on special duty, in addition to his present work, for a period of three months to make a survey of our present methods of collection and utilisation of the Minor Forest Products in the State.

6) The Board considered that the existing staff of the Laboratory was totally inadequate for the working being and proposed to be done. It requested the Chairman to examine this question, formulate proposals for augmenting the staff and obtain early sanction of Government to the same.

7) With a vote of thanks to the Chairman, the meeting terminated.

8) The members went round the Laboratory and saw the various items of work in progress.

Copy

Chief Conservator of Forests.